

AMENDMENTS TO THE CLAIMS

1. (Currently amended) Instrument for plasma coagulation comprising

a tubular probe body with a tube wall defining a lumen through which an inert gas is conducted through the probe body,

an ignition electrode located within the lumen in the region of an outlet defined by said probe body,

a current conductor adapted to supply a coagulation current to said ignition electrode,

a tubule made of a high-temperature-resistant material; and

a fixing device fixing said ignition electrode in a predetermined position within said probe body, and comprising a flat body with longitudinal edges by means of which said flat body is attached to said tube wall such that said flat body extends diametrically across an entire width of said lumen, and to which the ignition electrode is attached such that the ignition electrode extends further into the lumen in a direction of said outlet than the flat body of the fixing device,

wherein said tubule is inserted into said lumen in the region of said outlet, and said flat body is disposed at an end of the tubule that faces away from said outlet.
2. (Previously presented) Instrument according to claim 1, wherein said current conductor is integrally connected to said ignition electrode.
3. (Previously presented) Instrument according to claim 1, wherein said current conductor is connected to the ignition electrode by means of said flat body.
4. (Previously presented) Instrument according to claim 1, wherein at least one of said ignition electrode and said current conductor is welded to said flat body.

5. (Previously presented) Instrument according to claim 4, wherein said welded attachment is formed by point-wise resistance welding.

6. (Canceled)

7. (Previously presented) Instrument according to claim 1, wherein said flat body comprises a flat edge and abuts said tubule by means of sections of said flat edge.

8. (Previously presented) Instrument according to claim 1, wherein said flat body comprises a flat edge that defines a concave cutout which faces toward said outlet.

9. (Currently amended) Instrument for plasma coagulation comprising:

a tubular probe body with a tube wall defining a lumen through which an inert gas is conducted through the probe body;

an ignition electrode located within the lumen in the region of an outlet defined by said probe body;

a current conductor adapted to supply a coagulation current to said ignition electrode; and

a fixing device fixing said ignition electrode in a predetermined position within said probe body, and comprising a flat body with longitudinal edges by means of which said flat body is attached to said tube wall such that said flat body extends diametrically across an entire width of said lumen, and to which the ignition electrode is attached such that the ignition electrode extends further into the lumen in a direction of said outlet than the flat body of the fixing device.

10. (New) Instrument according to claim 1, wherein said longitudinal edges of said flat body extend further into said lumen in a direction of said outlet than a center of an outlet-facing edge of said flat body.

11. (New) Instrument according to claim 9, wherein said longitudinal edges of said flat body extend further into said lumen in a direction of said outlet than a center of an outlet-facing edge of said flat body.